

WHAT IS CLAIMED IS:

1. A color CRT(Cathode Ray Tube) comprising:

a panel having a luminescent screen on an inner surface thereof;

a funnel connected to the panel;

an electron gun mounted on a neck part of the funnel, the electron gun emitting electron beams toward the luminescent screen;

a shadow mask disposed in a fixed interval to the luminescent screen formed on the inner surface of the panel, the shadow mask serving to select colors; and

a frame fixing and supporting the shadow mask,

wherein the shadow mask includes an effective surface having a plurality of slots and a non-effective surface surrounding the effective surface;

wherein the slots includes first slots arranged on an outermost row arranged in a vertical axis direction of the effective surface of the shadow mask, second slots being adjacent to the first slots in the vertical axis direction, third slots being adjacent to the second slots in the vertical axis direction, and fourth slots being adjacent to the third slots in the vertical axis direction; and

wherein a length of the vertical axis direction of the first slots is in the range of 70% ~ 110% of a length of the vertical axis direction of the fourth slots.

2. The color CRT as claimed in claim 1, wherein a length of the vertical axis direction of the second slots is in the range of 70% ~ 110% of a length of the vertical axis direction of the fourth slots.

3. The color CRT as claimed in claim 1 or claim 2, wherein a length of the vertical axis direction of the third slots is in the range of 70% ~ 110% of a length of the vertical axis direction of the fourth slots.

5 4. The color CRT as claimed in claim 1, wherein a minimum length of the vertical axis direction of the first slots is more than 63% of the maximum length of the vertical axis direction of the first slots.

10 5. A color CRT(Cathode Ray Tube) comprising:  
a panel having a luminescent screen on an inner surface thereof;  
a funnel connected to the panel;  
an electron gun mounted on a neck part of the funnel, the electron gun emitting electron beams toward the luminescent screen;  
a shadow mask disposed in a fixed interval to the luminescent screen formed on the  
15 inner surface of the panel, the shadow mask serving to select colors; and  
a frame fixing and supporting the shadow mask,  
wherein the shadow mask includes an effective surface having a plurality of slots and a non-effective surface surrounding the effective surface;  
wherein the slots includes first slots arranged on an outermost row arranged in a  
20 vertical axis direction of the effective surface of the shadow mask; and  
wherein a minimum length of the vertical axis direction of the first slots is more than 63% of the maximum length of the vertical axis direction of the first slots.